receive a request comprising a product identifier from a first one of the plurality of client computers,

query the database in response to the received request to retrieve chemical product data comprising chemical characteristics inherent to a formulation of the chemical product,

send the chemical product data to the first client computer,

receive a purchase order comprising a request to purchase a product identified by the product identifier, and

process the purchase order.

7. The system of claim 6 wherein the sent chemical product data further comprises data selected from the group consisting of material safety data, chemical property data, processing data, and product manufacturing data.

9. The system of claim 6 wherein the sent chemical product data further comprises testing result data stored in the database in response to a sample testing request.

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6. A networked computer system comprising:

a server configured to exchange data with a plurality of client computers;

a database operatively coupled to the server and storing chemical product data for a plurality of chemical products, the chemical product data comprising a starting point formulation,

a memory operatively coupled to the server and comprising instructions to configure the server to:

receive a request comprising a product identifier from a first one of the plurality of client computers,

query the database in response to the received request to retrieve chemical product data; comprising chemical characteristics inherent to a formulation of the chemical product, and

send the chemical product data to the first client computer,

receive a purchase order comprising a request to purchase a product identified by the product identifier, and

process the purchase order.

7.   The system of claim 6 wherein the sent chemical product data further comprises data selected from the group consisting of material safety data, chemical property data, processing data, and product manufacturing data.

9.   The system of claim 8 6 wherein the sent chemical product data further comprises testing result data stored in the database in response to a sample testing request.

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Please add the following claims:

17. The system of claim 6 wherein the chemical product data comprises a starting point formulation and the chemical characteristics inherent to a formulation of the chemical product comprise chemical characteristics inherent to the starting point formulation.

18. The system of claim 17 wherein the system includes instructions to modify the starting point formulation based on target characteristics input by a user.

19. The system of claim 18 wherein the purchase order comprises an order for purchase of a chemical product based on said modified starting point formulation.

20. A method for processing a chemical product transaction, the method comprising:

    receiving at a server computer from a first one of a plurality of client computers a request identifying a chemical product;

    querying a database in response to the received request to retrieve chemical product data comprising chemical characteristics inherent to a formulation of the chemical product;

    sending the chemical product data to the first client computer;

    receiving a purchase order comprising a request to purchase the chemical product; and

    processing the purchase order.

21. The method of claim 20 wherein the chemical product data further comprises data selected from the group consisting of material safety data, chemical property data, processing data, and product manufacturing data.